

Patent Application
Attorney Docket No. PC25302A

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Hon. Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this 22nd day of January, 2004.

By

(Signature of person mailing)

Kelly A. Smith

(Typed or printed name of person)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yasuhiro Katsu, et al. :

APPLICATION NO.: 10/667,182 : Examiner:

FILING DATE: September 17, 2003 : Group Art Unit: 1625

TITLE: N-SUBSTITUTED PIPERIDINYL- :
IMIDAZOPYRIDINE COMPOUNDS AS 5-HT4
RECEPTOR MODULATORS

Hon. Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97 (b)

Applicant(s) herein make(s) available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the applicant(s), copies of which are enclosed.

The Examiner is requested to consider carefully the complete text of these references in connection with the examination of the above-identified application in accord with 37 C.F.R. § 1.104(a).

It is requested that the references listed on the attached form PTO-FB-A820 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. § 1302.12).

A prompt and favorable response is earnestly solicited.

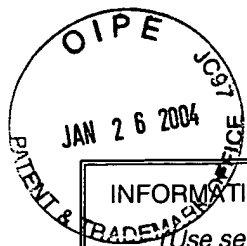
Respectfully submitted,

Date: January 22, 2004

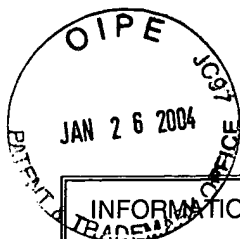
Christine S. Lee
Christine S. Lee
Attorney for Applicant(s)
Reg. No. 42,788

Pfizer Inc.
Patent Department, MS 8260-1611
Eastern Point Road
Groton, Connecticut 06340
(860) 686-2144

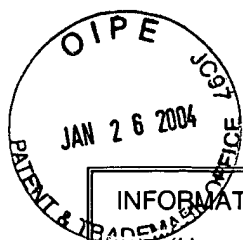
#67315 v1 - PC25302A INFORMATION DISCLOSURE STATEMENT



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)									ATTY. DOCKET NO. PC25302A		SERIAL NO. 10/667,182				
									APPLICANT Yasuhiro Katsu, et al.						
FILING DATE September 17, 2003									GROUP 1625						
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	US	5	2	6	0	3	0	3	11/9/93	Becker, et al.	514/300				
	US	5	6	0	4	2	3	9	2/18/97	Becker, et al.	514/300				
	US	5	5	9	1	7	4	9	1/7/97	Becker, et al.	514/300				
	US	5	2	1	9	8	5	0	6/15/93	Becker, et al.	514/214				
	US	5	4	3	4	1	6	1	7/18/95	Becker, et al.	514/300				
	US	5	1	3	7	8	9	3	8/11/92	Becker, et al.	514/293				
	US	5	1	9	6	5	4	7	3/23/93	Becker, et al.	548/453				
FOREIGN PATENT DOCUMENTS															
DOCUMENT NUMBER									DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
													YES	NO	
	WO	9	6	0	5	1	6	6	2/22/96	International					
	WO	9	2	1	5	5	9	3	9/17/92	International					
	EP	0	5	0	4	6	7	9	9/23/92	European					
	WO	9	4	0	8	9	9	8	4/28/94	International					
	JP	2001	0	0	6	8	7	7	1/12/01	Japanese (ABSTRACT IN ENGLISH)					x
	WO	0	1	0	5	7	6	3	1/25/01	International					
	WO	9	9	5	0	2	4	7	10/7/99	International					
	WO	9	7	2	7	8	5	2	8/7/97	International					
	WO	9	7	3	8	6	6	5	10/23/97	International					
	EP	0	2	7	4	8	6	7	7/20/88	European					
	JP	H01	2	5	8	6	7	4	10/16/89	Japanese (ABSTRACT IN ENGLISH)					x
	JP	H02	6	4	3	2	7	4	10/16/89	Japanese (ABSTRACT IN ENGLISH)					x



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		ATTY. DOCKET NO. PC25302A	SERIAL NO. 10/667,182
		APPLICANT Yasuhiro Katsu, et al.	
		FILING DATE September 17, 2003	GROUP 1625
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Dumuis, et al., "A 5-HT receptor in the central nervous system, positively coupled with adenylate cyclase, is antagonized by ICS 930", <i>European Journal of Pharmacology</i> , 146 (1988), 187-188	
		Dumuis, et al., "The gastrointestinal prokinetic benzamide derivatives are agonists at the non-classical 5-HT receptor (5-HT ₄) positively coupled to adenylate cyclase in neurons", <i>Naunyn-Schmiedeberg's Arch. Pharmacol.</i> (1989) 340: 403- 410	
		Bockaert, et al., "The 5-HT ₄ receptor: a place in the sun", <i>TiPs</i> , 1992, 13, 141-145	
		Ford, A.P.D.W., et al., "The 5-HT ₄ Receptor", <i>Med. Res. Rev.</i> , 1993, 13, 633-662	
		Gullikson, G.W., et al., "Gastrointestinal Motility Responses to the S and R Enantiomers of Zacopride, a 5-HT ₄ Agonist and 5-HT ₃ Antagonist", <i>Drug Dev. Res.</i> , 1992, 26, 405-417	
		Eglen, et al., "Central 5-HT ₄ receptors", <i>TiPs</i> , 1995, 16, 391-398	
		Bockaert, Jr., et al., "5-HT ₄ Receptors Potential Therapeutic Implications in Neurology and Psychiatry", <i>CNS Drugs</i> , 1, 6-14 (1994)	
		Romanelli, M.N., et al., "Synthesis and Biological Activity of a Series of Aryl Tropanyl Esters and Amides Chemically Related to 1H-Indole-3-carboxylic Acid endo 8-Methyl-8-azabicyclo[3.2.1]oct-3-yl Ester" <i>Arzneimittel Forschung Drug Research</i> , 1993, 43(II), 913-918	
		Kaumann, A., et al., "A 5-HT ₄ -like receptor in human right atrium", <i>Naunyn-Schmiedeberg's Arch. Pharmacol.</i> (1991), 344, 150-159	
		Finlayson, K., et al., "[³ H]Dofetilide binding to HERG transfected membranes: a potential high throughput preclinical screen", <i>European Journal of Pharmacology</i> , 430, (2001), 147-148	
		Mutterer, et al., "Halogenierte Pyridine V. Fluorierte und bromierte Pyridinverbindungen", <i>Helv. Chim. Acta</i> , (1976), 59, 229-235	
		Barlow, et al., "Diels-Alder reactions of trochloro-1,2,4-triazine: intramolecular additions with 1,5 and 1,6 dienes", <i>J. Chem. Soc., Perkin Trans. I</i> , (1996), 519-524	
		Lantos, et al., "Novel Cage Compounds from Inter-intra-molecular Diels-Alder Reactions of 1,2,4-Triazines with Cyclo-octa-1,5-diene", <i>J. Chem. Soc., Chem. Commun.</i> (1998), 1482-1483	
		Feibush, et al., "Chiral Separation of Heterocyclic Drugs by HPLC: Solute-Stationary Phase Base-Pair Interactions", <i>J. Am. Chem. Soc.</i> , (1986), 108(12), 3310-3318	
		G.S. Baxter, et al., "5-Hydroxytryptamine ₄ receptors mediate relaxation of the rat oesophageal tunica muscularis mucosae", <i>Naunyn-Schmiedeberg's Arch. Pharmacol.</i> , (1991), 343, 439-446	
		Yukiko Mine, et al., "Comparison of Effect of Mosapride Citrate and Existing 5-HT ₄ Receptor Agonists on Gastrointestinal Motility <i>In Vivo</i> and <i>In Vitro</i> ", <i>JPET</i> , (1997) 283: 1000-1008	
		Reeves, J.J., et al., "Investigation into the 5-hydroxytryptamine receptor mediating smooth muscle relaxation in the rat oesophagus", <i>British Journal of Pharmacology</i> , (1991) 103: 1067-1072	
		Z. Zhou, et al., "Properties of HERG Channels Stably Expressed in HEK 293 Cells Studied at Physiological Temperature", <i>Biophysical Journal</i> , 74, 230-241	
		M.C. Coldwell, et al., "The Synthesis and Dopamine D ₂ and Serotonin 5-HT ₃ Receptor Affinity of 3-Aza Analogues (Pyridyl) of 4-Amino-5-chloro-2-methoxybenzamides", <i>Biorg. Med. Chem. Lett.</i> , Vol. 5, No. 1, 39-42 (1995)	
		D. Subhas Bose, et al., "Boron Trifluoride Promoted Cleavage of Benzyl Carbamates", <i>Tetrahedron Lett.</i> , Vol. 31, No. 47, 6903-6906, 1990	



INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		ATTY. DOCKET NO. PC25302A	SERIAL NO. 10/667,182
		APPLICANT Yasuhiro Katsu, et al.	
		FILING DATE September 17, 2003	GROUP 1625
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Prugh, et al., "A Simple Method of Protecting a Secondary Amine with tert Butyloxycarbonyl (BOC) in the Presence of a Primary Amine, <i>Synth. Commun.</i> , 1992, 22, 2357-60	
		G. Bertram, et al., "Total Synthesis of (+)-Strobilurin E", <i>Tetrahedron Lett.</i> , Vol. 37, No. 44, 7955-7958, 1996	
		W.C. Lumma, Jr., et al., "Condensation of Unsymmetrical Aliphatic Ketones with Formaldehyde in Trifluoroacetic Acid", <i>J. Org. Chem.</i> , Vol. 35, No. 7, 1970, 2391-2393	
		A. Otha, et al., "Stereoselective Synthesis of Spicy Components in Peppers", <i>Heterocycles</i> , 1991, Vol. 32, 965-73	
		B.G. Hazra, et al., "An Improved Procedure for the Dichloroacetylation of Primary and Secondary Amines", <i>Org. Prep. Proced. Int.</i> , 1989, 21, 355-358	
		G. Mattalia, et al., "Synthesis of New Derivatives of the 4,5-Diphenyloxazole Series", <i>Il Farmaco, Ed. Sci.</i> , 1976, 31, 457-67	
		Lopez-Rodriguez, et al., "Benzimidazole Derivatives. Part 1: Synthesis and Structure-Activity Relationships of New Benzimidazole-4-carboxamides and Carboxylates as Potent and Selective 5-HT ₄ Receptor Antagonists", <i>Bioorganic & Medicinal Chemistry</i> , 7 (1999), 2271-2281	
		Katz, J., et al., "Action des isopropyl-9 et tertibutyl-9 bora-9 bicyclo (3.3.1)nonanes sur quelques cétones α-bromées. Synthèse de cétones substituées", <i>Bull. Soc. Chim. Fr.</i> , 1977, 683-687	
		Chem. Abstr., 1963, 58, 5570f	
EXAMINER		DATE CONSIDERED	
<small>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>			

Conforms with FORM PTO-FB-A820

INFORMATION DISCLOSURE